

Converting Colors

CIELCh(55, 93.060, 45.465)

Have a look what the booklet for
CIELCh(55, 93.060, 45.465) contains.

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Color

CIELCh(55, 92.957, 45.513)

Conversions

Conversions Part 1

Format	Color
Hex	F34201
RGB	243, 66, 1
RGB Percent	95%, 26%, 0%
CMY	0.0474, 0.7414, 0.9964
CMYK	0.00, 0.73, 1.00, 0.05
HSL	16°, 99%, 48%
HSV	16°, 100%, 95%
XYZ	38.8831, 22.9298, 2.4027
YIQ	111.5130, 126.3570, 17.3090

Conversions

Conversions Part 2

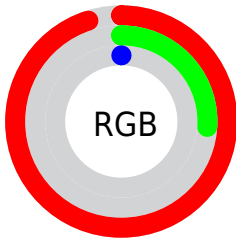
Format	Color
RYB	243, 90, 1
Decimal	15942145
CIELab	55.00, 65.14, 66.32
CIElCh	55, 92.957, 45.513
Yxy	22.9298, 0.6055, 0.3571
Android (android.graphics.Color)	4294132225 (0xFFFF34201)
YUV	111.5130, -54.4829, 115.3141
Hunter-Lab	47.8851, 61.1444, 30.5446

Details

The CIELCh color **55, 92.957, 45.513** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **68, 45.308, 250.793**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.588, 50.465**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **55, 93.223, 45.492**, and if you desaturate by 10%, it is **57, 85.330, 46.418**.

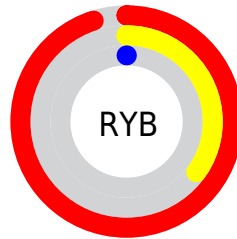
Distribution



Red (95%)

Green (26%)

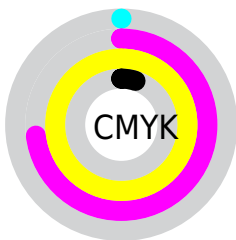
Blue (0%)



Red (95%)

Yellow (35%)

Blue (0%)

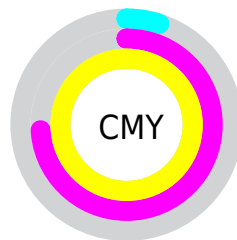


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 92.957, 45.513 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 92.957, 45.513 by changing the saturation by 10% instead.

55, 92.957, 45.513

55, 92.957, 45.513

100, 92.957,
45.513

45, 92.957, 45.513

75, 92.957, 45.513

35, 92.957, 45.513

85, 92.957, 45.513

25, 92.957, 45.513

95, 92.957, 45.513

15, 92.957, 45.513

5, 92.957, 45.513

0, 92.957, 45.513

55, 92.957, 45.513

55, 92.957, 45.513

55, 93.223, 45.492

57, 85.330, 46.418

60, 75.264, 46.548

64, 64.212, 46.341

68, 53.180, 46.140

72, 42.614, 46.068

77, 32.692, 46.151

81, 23.467, 46.376

86, 14.929, 46.715

91, 7.036, 47.117

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 92.957, 45.513



68, 45.308, 250.793

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 92.957, 45.513



55, 92.957, 95.513



55, 92.957, 225.513



55, 92.957, 275.513

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 92.954, 45.515



85, 24.765, 46.364



54, 90.667, 342.754



43, 17.189, 46.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 92.954, 45.515



58, 96.805, 45.415



79, 81.082, 84.632



49, 4.179, 47.122



42, 75.880, 45.995



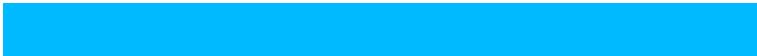
11, 26.497, 40.391

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



68, 45.308, 250.793



71, 47.129, 251.113



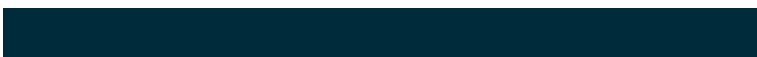
37, 109.898, 301.654



49, 3.957, 228.370



53, 36.947, 250.081



16, 15.788, 242.742

Previews

White Background



This preview shows how the CIELCh color 55, 92.957, 45.513 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 92.957, 45.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 92.957, 45.513

Background



This preview shows how black text looks on a background with the CIELCh color 55, 92.957, 45.513.



This preview shows how white text looks on a background with the CIELCh color 55, 92.957, 45.513.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55, 92.957, 45.513

Protanopia

55, 54.204, 94.974

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 79.803, 31.564

Trichromacy



Original Color
55, 92.957, 45.513

Protanomaly
53, 61.234, 66.987

Deuteranomaly
53, 68.836, 63.258

Tritanomaly
55, 85.760, 38.661

Monochromacy



Original Color
55, 92.957, 45.513

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 34.157, 46.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 92.957, 45.513 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(243, 66, 1)` looks like.

```
.text, #text, p{  
    color:rgb(243, 66, 1)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(243, 66, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 66, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 92.957, 45.513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(243, 66, 1) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(243, 66, 1) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(243, 66, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 66, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 66, 1);  
box-shadow:4px 4px 4px 4px rgb(243, 66, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 92.957, 45.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 66, 1) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(243, 66,  
1) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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